public class VerifyDate {

//method to handle potential checks against two dates

public static Date CheckDates(Date date1, Date date2) {

//if date2 is within the next 30 days of date1, use date2. Otherwise use the end of the month

if(DateWithin30Days(date1,date2)) {

return date2;

} else {

return SetEndOfMonthDate(date1);

}

}

//method to check if date2 is within the next 30 days of date1

@TestVisible private static Boolean DateWithin30Days(Date date1, Date date2) {

//check for date2 being in the past

if( date2 < date1) { return false; }

//check that date2 is within (>=) 30 days of date1

Date date30Days = date1.addDays(30); //create a date 30 days away from date1

if( date2 >= date30Days ) { return false; }

else { return true; }

}

//method to return the end of the month of a given date

@TestVisible private static Date SetEndOfMonthDate(Date date1) {

Integer totalDays = Date.daysInMonth(date1.year(), date1.month());

Date lastDay = Date.newInstance(date1.year(), date1.month(), totalDays);

return lastDay;

}

}